

FIG. 1A

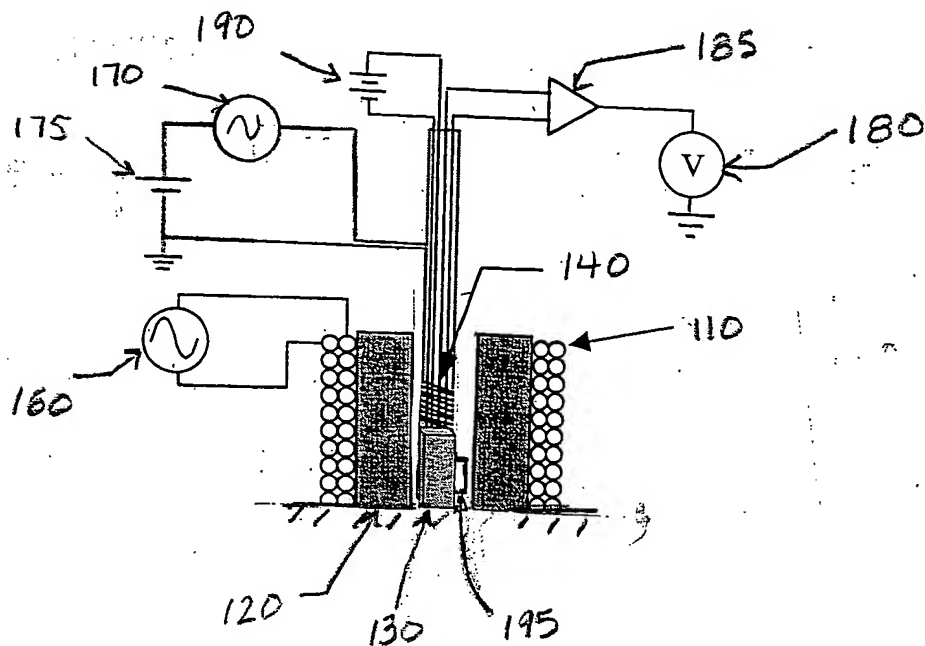


FIG. 1B

100463-1304
 100463-1304

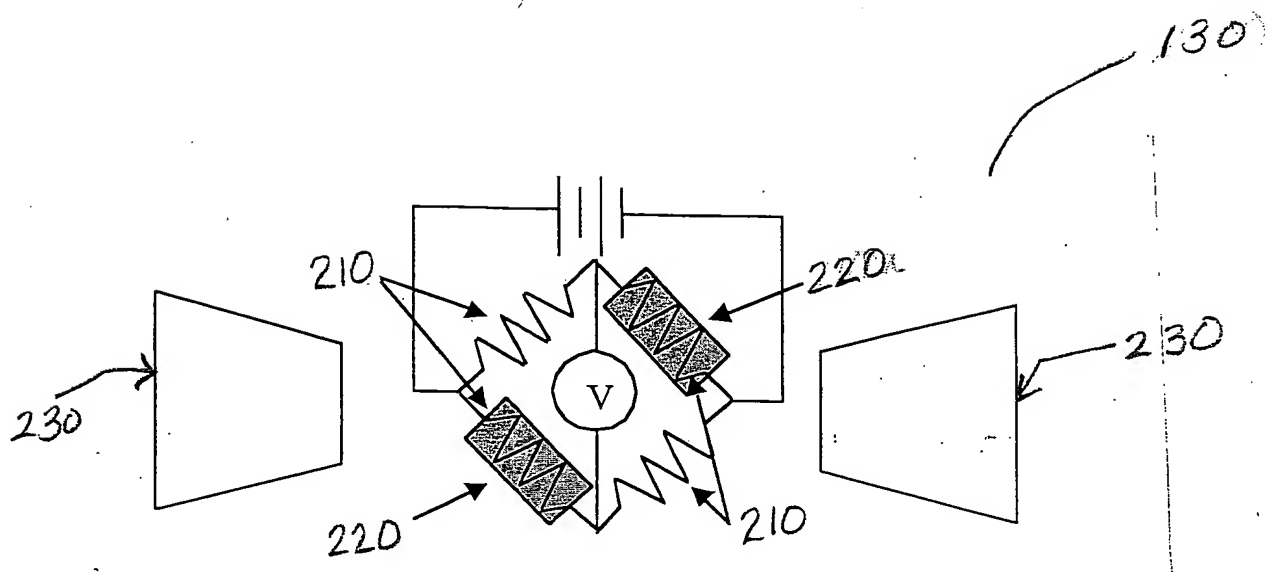


FIG. 2

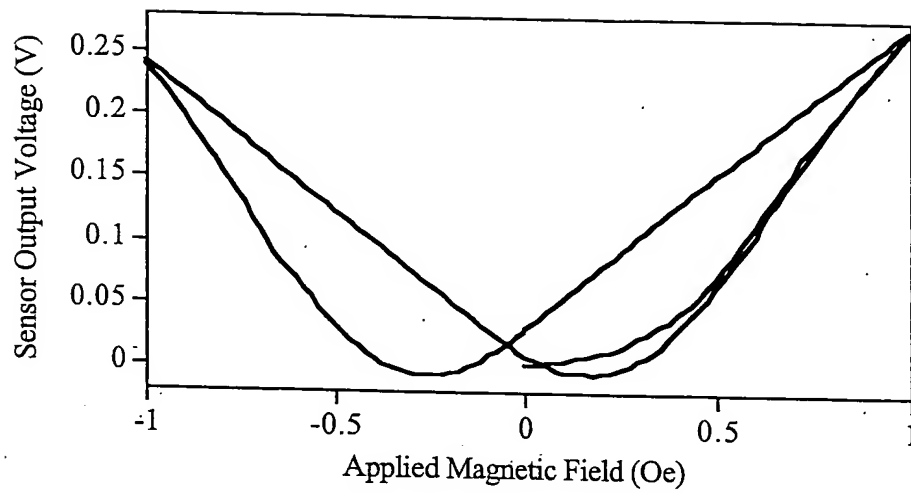


FIG. 3

FIG. 4

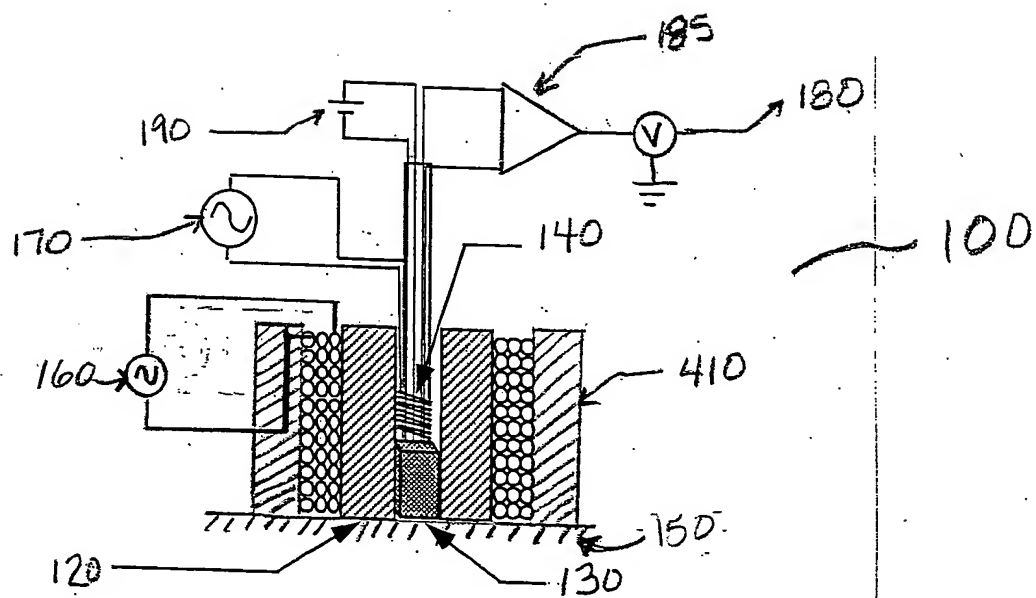


FIG. 4

10021693 443904

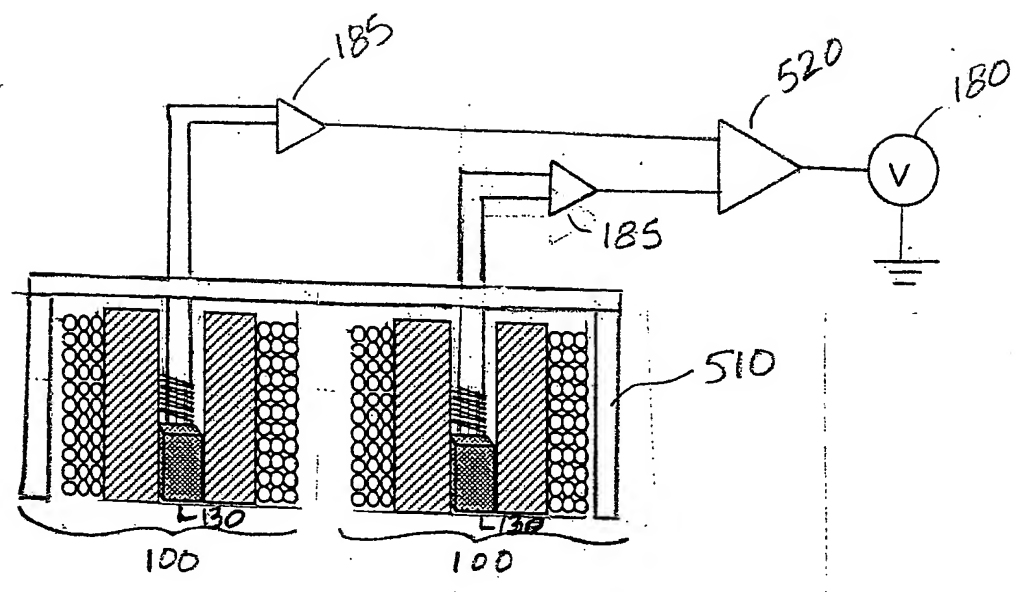


FIG. 5A

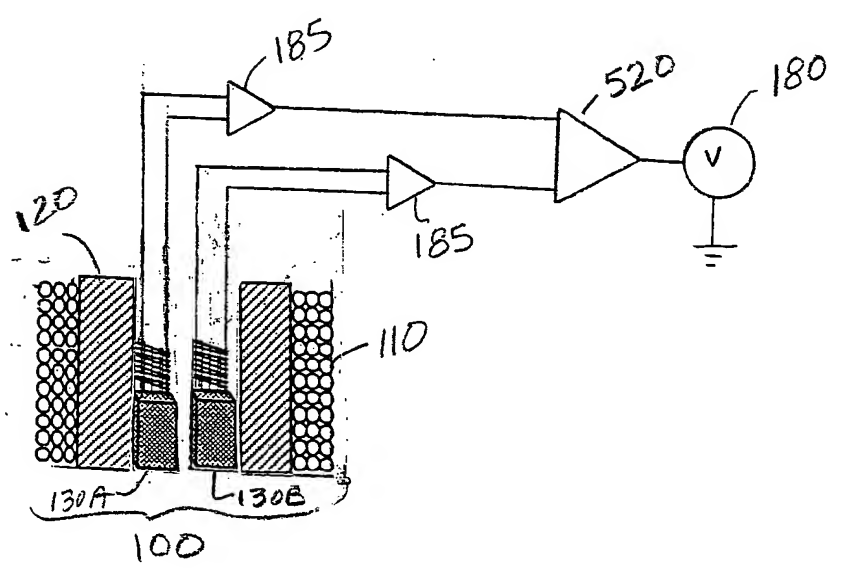


FIG. 5B

The graph displays three signals over a time interval from 0 to 0.01 seconds. The y-axis represents Voltage in Volts (V), ranging from -0.5 to 2.5. The x-axis represents Time in seconds (Sec), ranging from 0 to 0.01. The 'Voltage Across Drive Coil' is a high-frequency sinusoidal wave with an amplitude of approximately 1.2 V. The 'Sensor Output in Air' is a low-frequency sinusoidal wave with an amplitude of approximately 0.4 V. The 'Sensor Output On Sample' is a low-frequency sinusoidal wave with an amplitude of approximately 0.5 V, which is slightly out of phase with the 'Sensor Output in Air' signal.

FIG. 6A

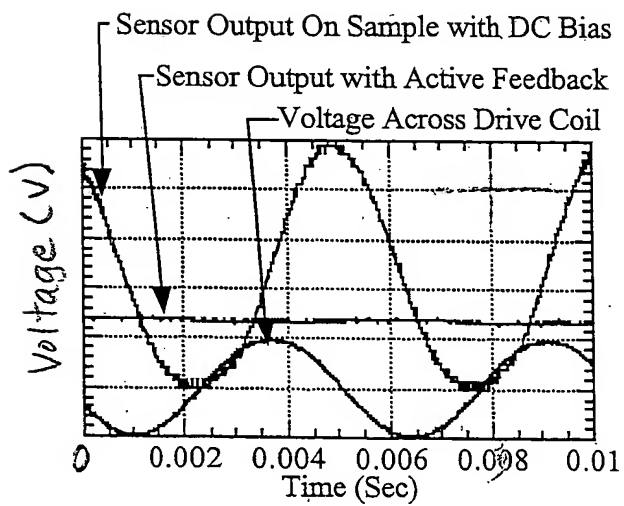


FIG. 6B

10021592-113004

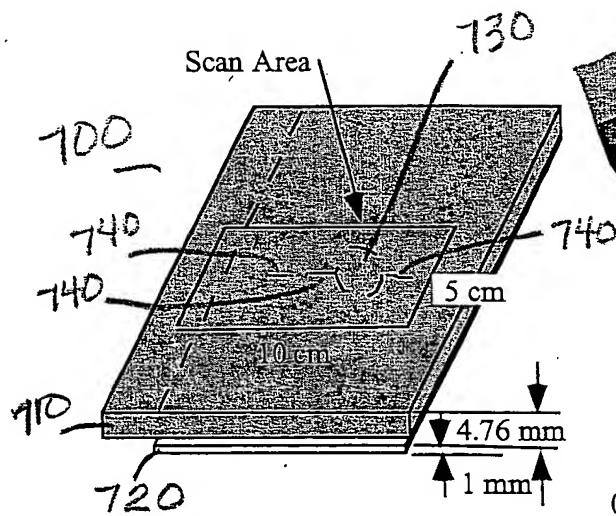


FIG. 7A

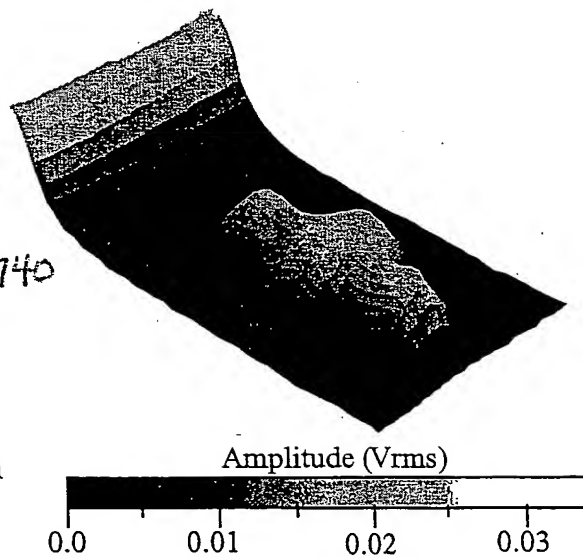


FIG. 7B

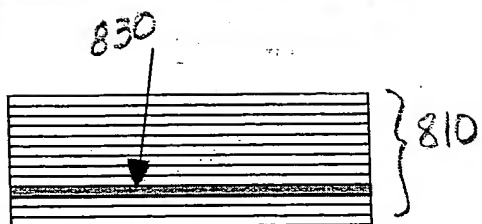
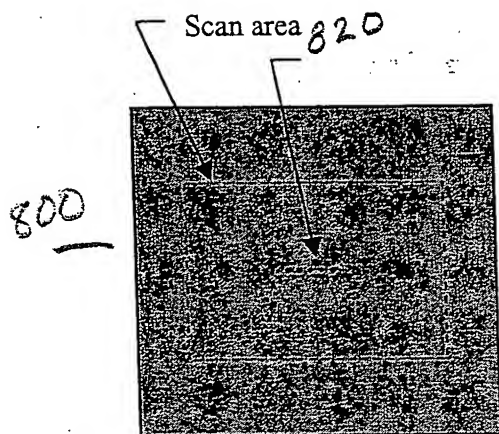


FIG. 8A

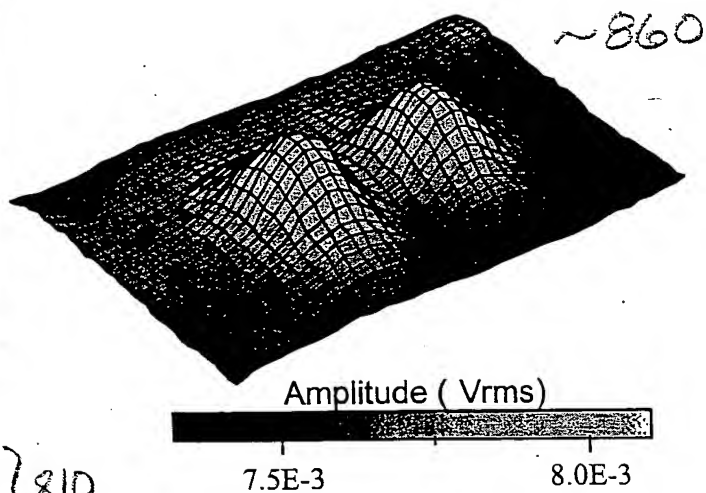


FIG. 8B

2025-11-19 14:00:00

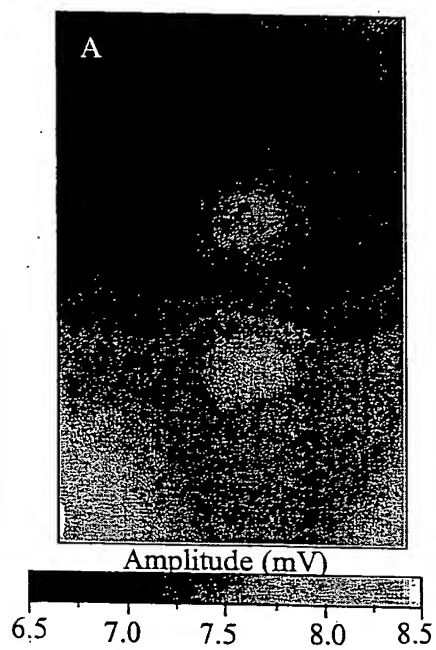


FIG. 9A

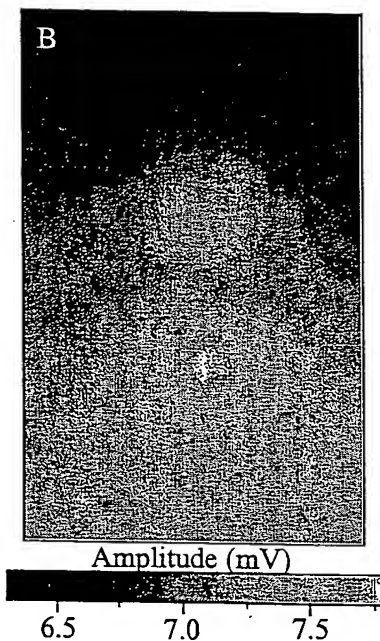


FIG. 9B

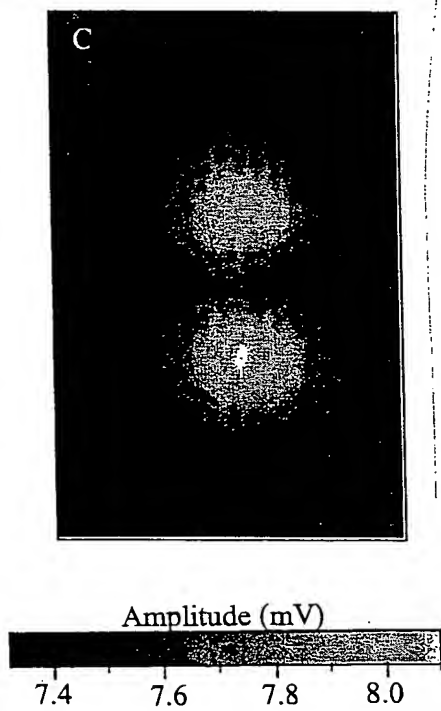


FIG. 9C

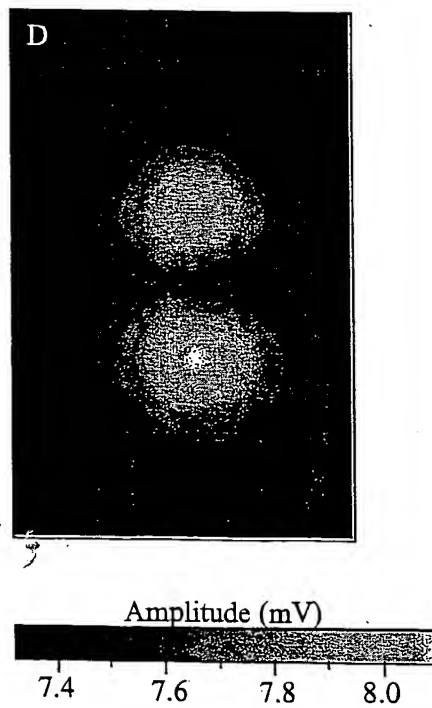


FIG. 9D

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40021633 43804

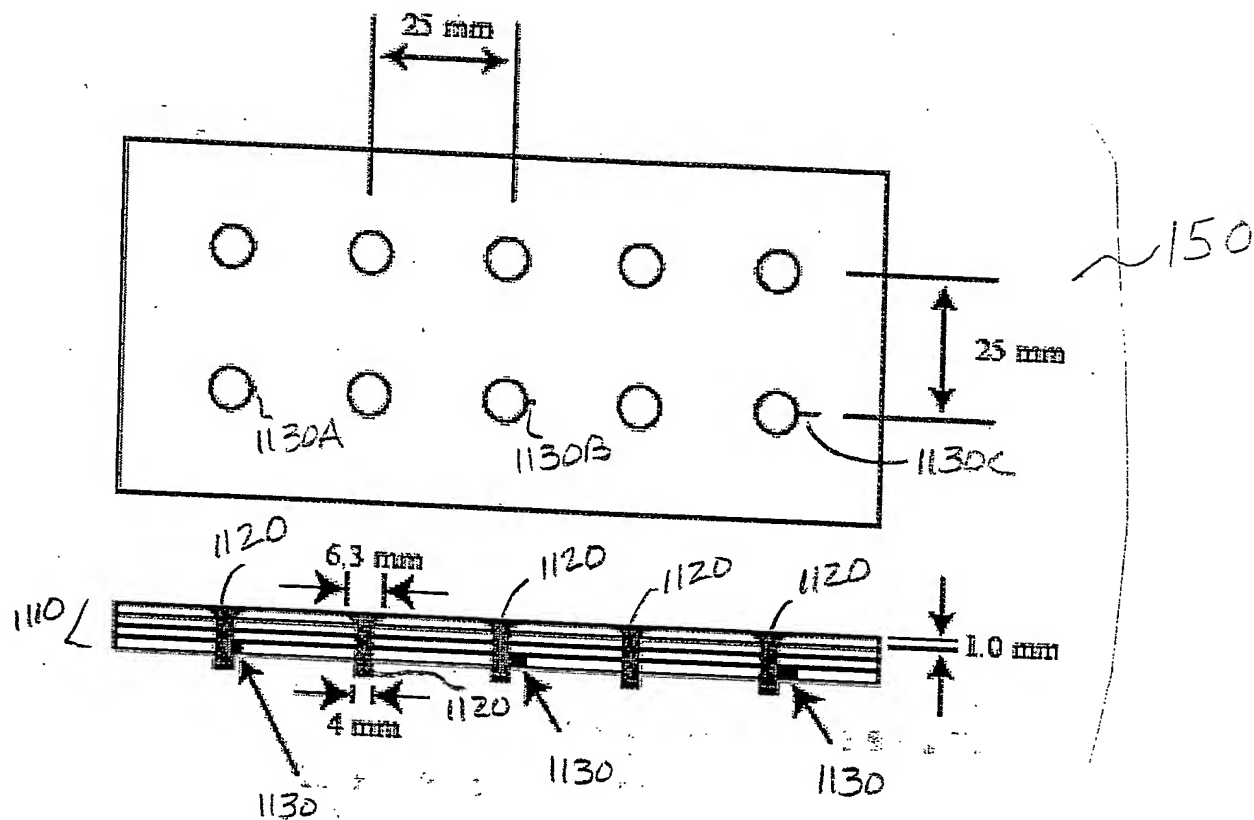


FIG. 11

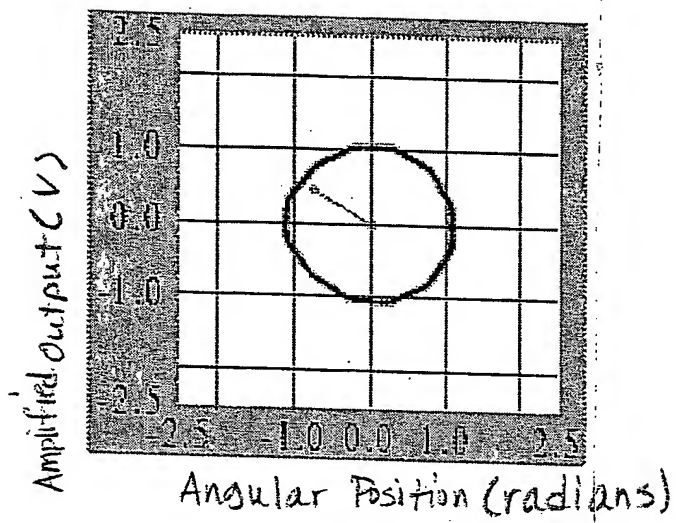


FIG. 12A

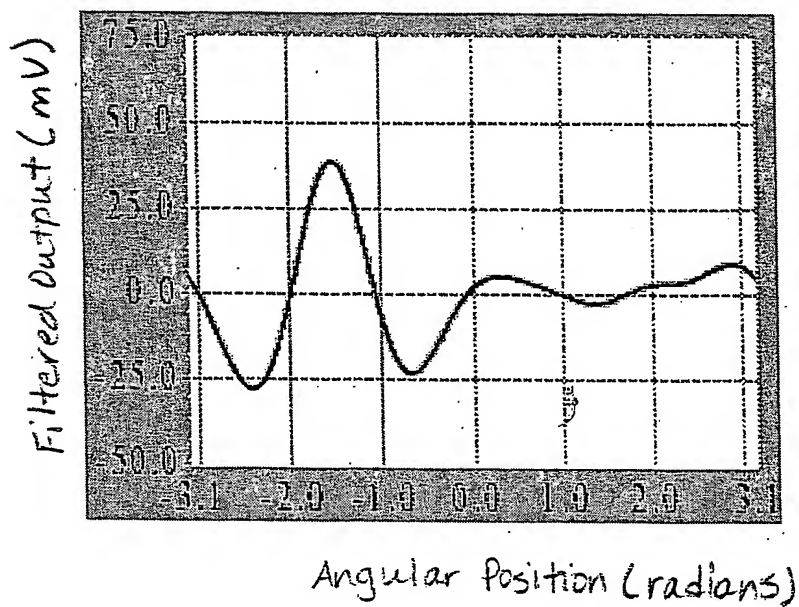


FIG. 12B

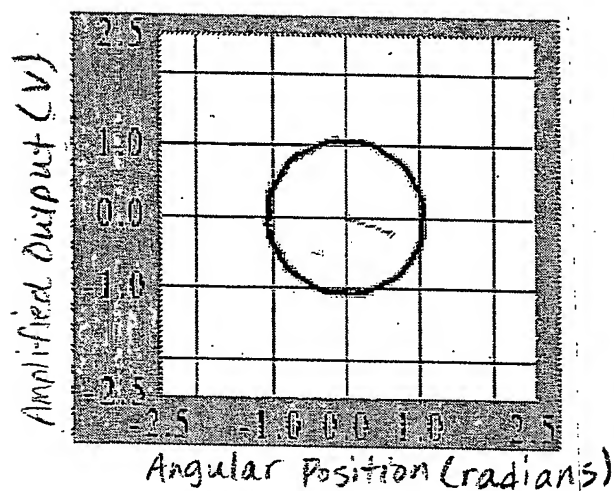


FIG. 13A

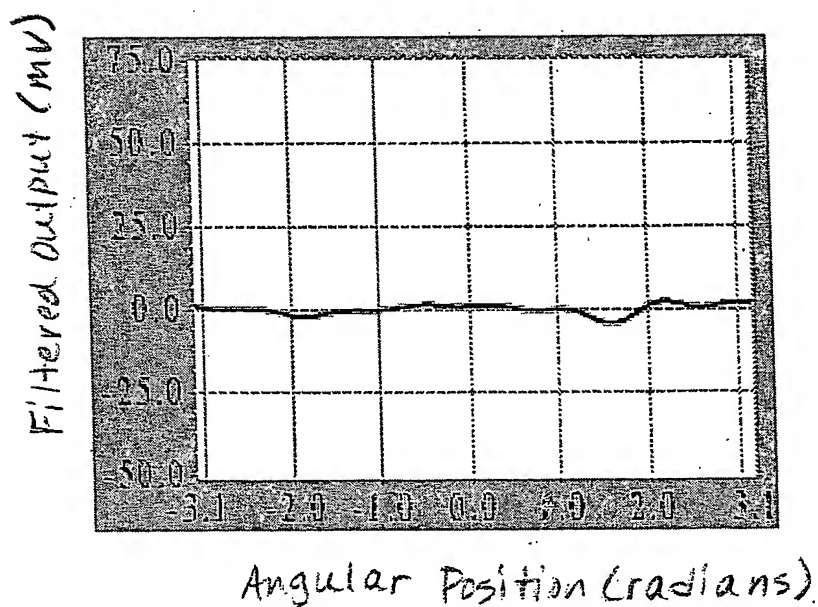


FIG. 13B

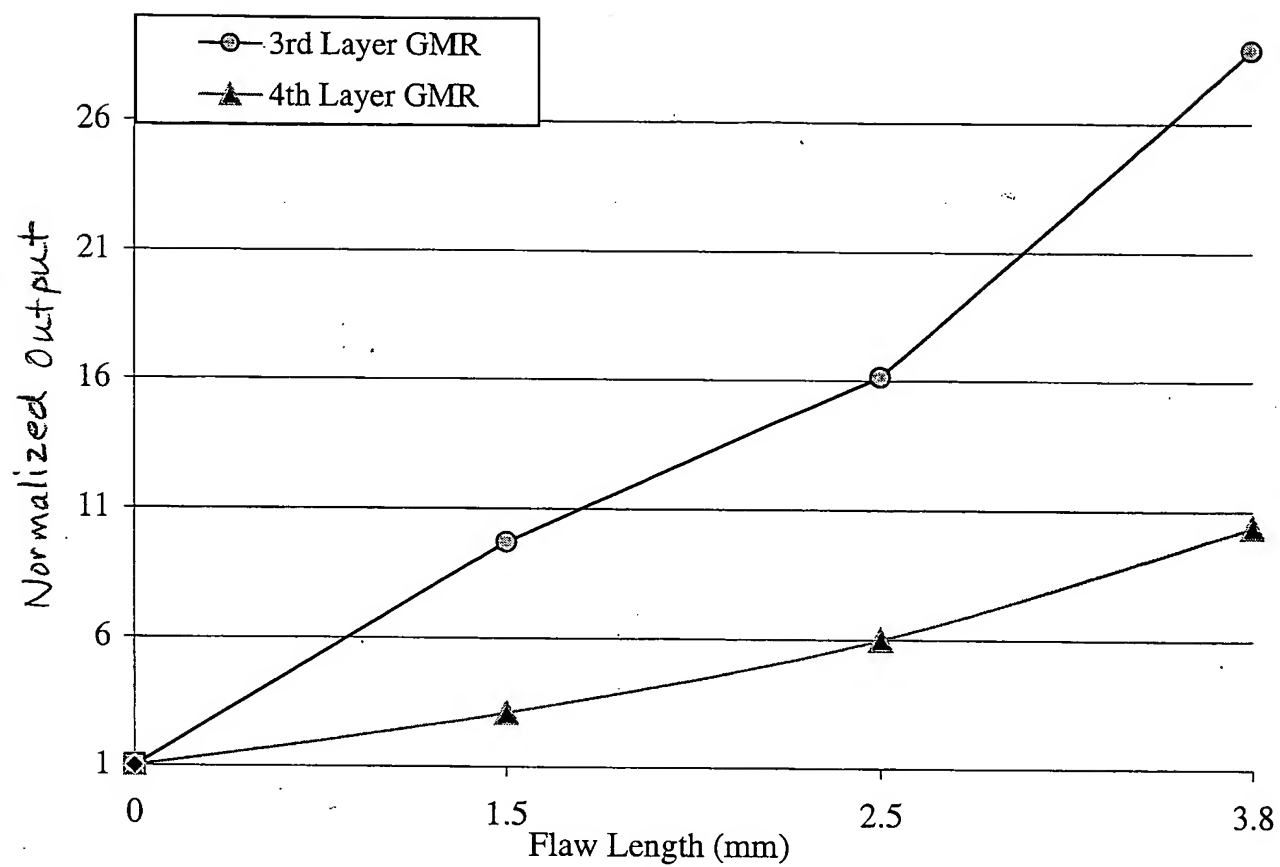


FIG. 14

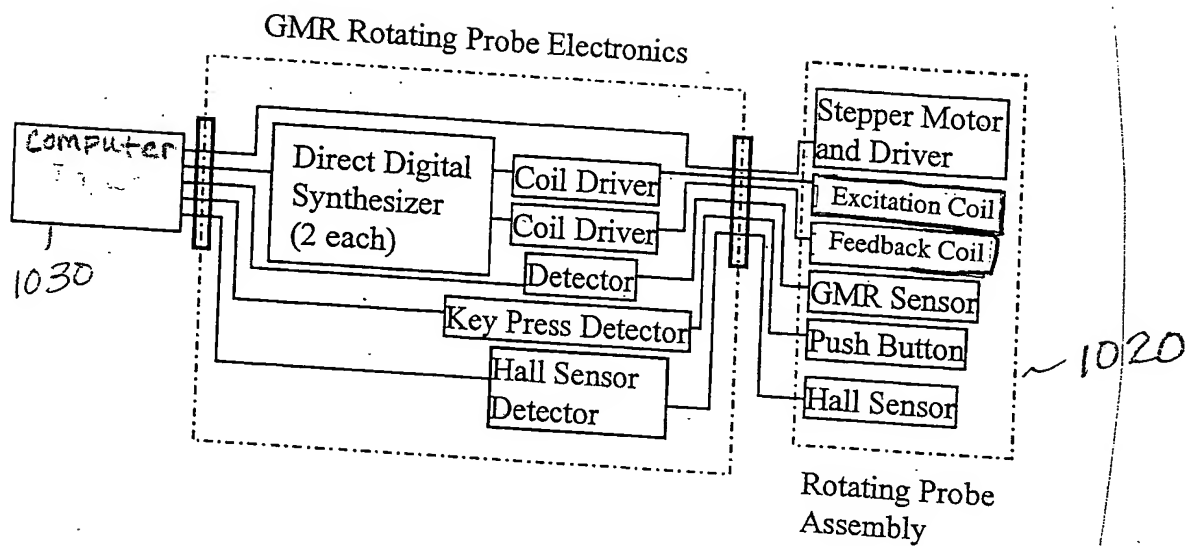


FIG. 15

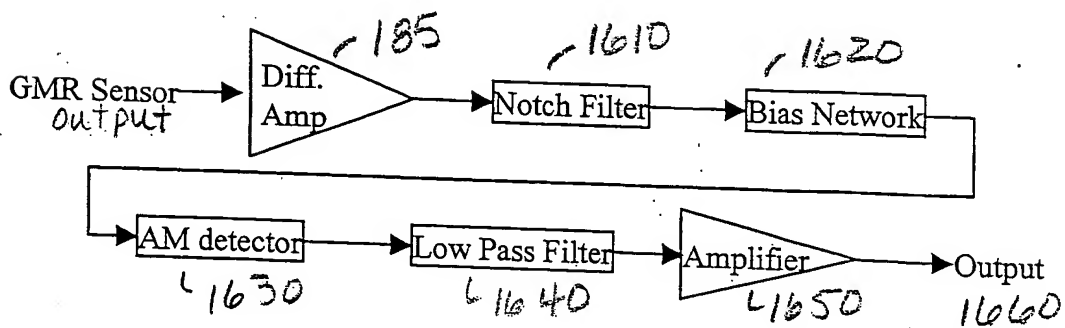


FIG. 16

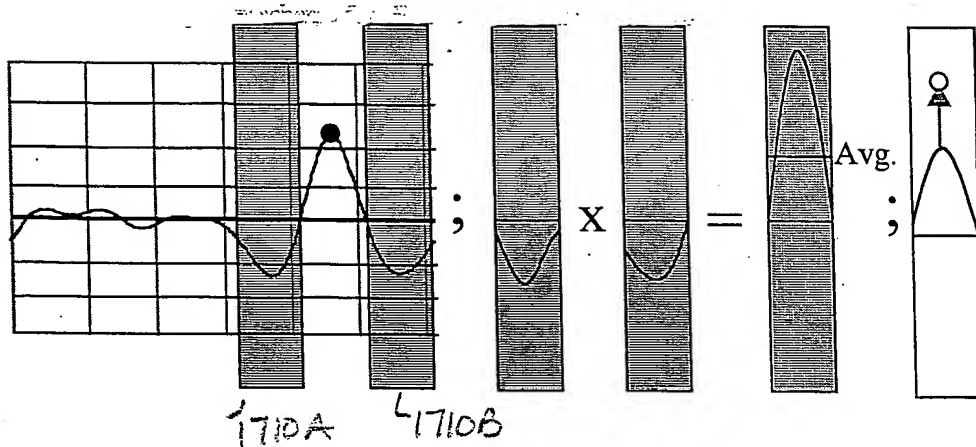


FIG. 17

Amplified Output (v)

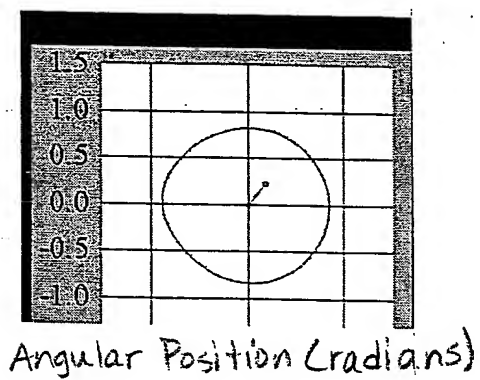


FIG. 18A

Processed Output (mv)

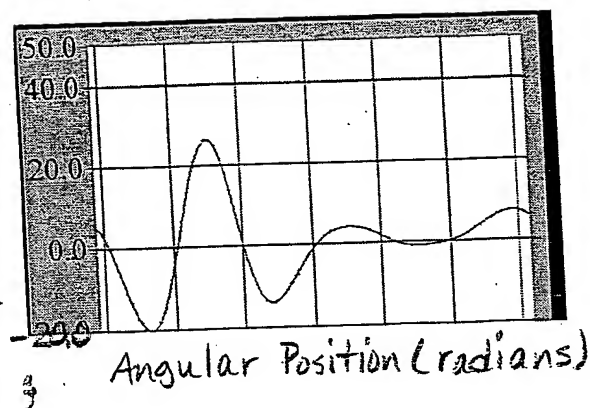


FIG. 18B

4th Layer, 1.5 mm Flaw

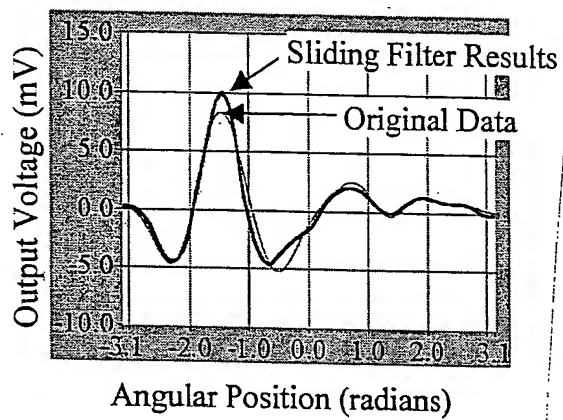
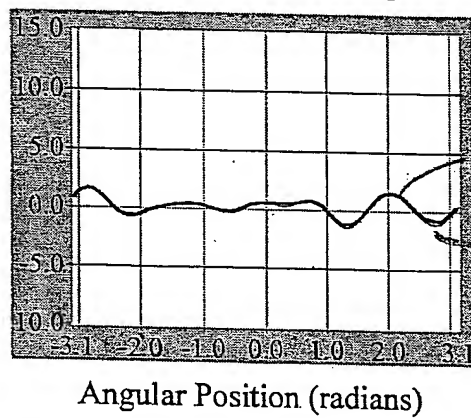


FIG. 19A

4th Layer: Unflawed Sample



sliding Filter
Results

- original Data

FIG. 19B

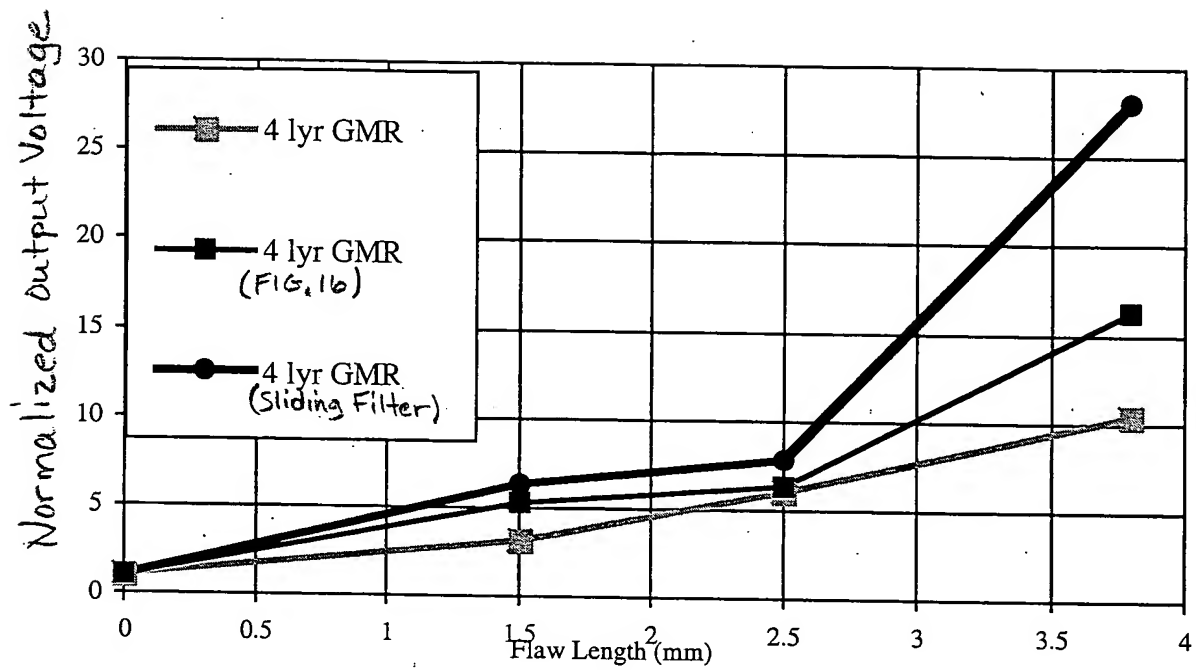


FIG. 20